991.1164

Appl. No. 09/990,239

Amdt, dated October 12, 2004

Reply to Office Action of July 12, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-18. (Canceled).

19. (Currently Amended) A supply air terminal device, comprising:

a housing having top and side walls, and open below defining a supply air chamber from

which supply air is provided and side chambers in which the supply air and circulated air from a

room space is mixed;

air guiding parts arranged on both sides of a central axis of said housing, a flow path leading

from said side chamber to an exterior and below said housing and through which the mixed supply

air and circulated air passes being defined in said side chamber and at least in part by said air guiding

parts;

a heat exchanger arranged below said supply air chamber and between said air guiding parts;

nozzles arranged in connection with said supply air chamber to direct supply air from said

supply air chamber into said side chambers and induce a flow of circulated air from the room space

through said heat exchanger into said side chambers; and

a control device arranged in each of said side chambers placed after the heat exchanger and

nozzles for controlling an induction ratio between a flow of supply air through said nozzles and the

flow of circulated air through said heat exchanger induced by said nozzles,

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each of said control devices including a turning damper arranged in said side chamber after

said heat exchanger in a direction of flow of the circulated air and to regulate opening and closing

of the flow path through which the mixed supply air and circulated air passes from said side chamber

to exterior of said housing such that said damper is effective to regulate a flow of mixed supply air

and circulated air from said housing; and

an eccentric piece which engages with said turning damper to cause rotational movement of

said turning damper about a joint, said turning damper being rotatably supported about said joint,

and said turning damper enabling an induction ratio Q₂/Q₁ between flows L₁ and L₂ to be controlled

preferably within a range of 2-6.

20. (Previously Presented) The supply air terminal device of claim 19, wherein said heat

exchanger is arranged to cool or heat the circulated air.

21. (Previously Presented) The supply air terminal device of claim 19, wherein said

housing includes side plates, each of said side chambers being partially defined by a respective one

of said side plates.

22. (Previously Presented) The supply air terminal device of claim 19, wherein said

housing includes side plates and end walls, each of said side chambers being defined by said end

walls and a respective one of said side plates.

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23. (Previously Presented) The supply air terminal device of claim 19, wherein said side

chambers are arranged at least partially below said supply air chamber.

24. (Previously Presented) The supply air terminal device of claim 19, wherein said air

guiding parts are arranged to cause the mixed supply air and circulated air to flow to a side of said

housing.

25. (Previously Presented) The supply air terminal device of claim 19, wherein said

housing has a longitudinal dimension, said damper of each of said control devices extending

longitudinally.

26. (Previously Presented) The supply air terminal device of claim 19, wherein each of

said control devices further includes a joint for supporting said damper and to enable said damper

to be positioned in any one of a plurality of different positions.

27. (Previously Presented) The supply air terminal device of claim 19, further comprising

adjustment means for adjusting the position of said damper.

28. (Previously Presented) The supply air terminal device of claim 27, wherein said

damper is rotatably supported about a joint, said adjustment means comprising an eccentric piece

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engaging with said damper to cause rotational movement of said damper about said joint.

- 29. (Previously Presented) The supply air terminal device of claim 19, wherein the flow path is defined between said housing and each of said air guiding parts.
- 30. (Previously Presented) The supply air terminal device of claim 19, wherein said heat exchanger is arranged between said dampers.
- 31. (Previously Presented) The supply air terminal device of claim 19, wherein said housing is closed at its top and on its sides.
- 32. (Previously Presented) The supply air terminal device of claim 31, wherein said housing is closed by end walls, side plates and said supply air chamber.